

Notice of Allowability

Application No.

10/817,658

Examiner

Cheryl Lewis

Applicant(s)

BRODERSEN ET AL.

Art Unit

2167

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the applicants' communication received on November 13, 2006.
2. ☒ The allowed claim(s) is/are 21-30 and 32, renumbered as claims 1-11.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

1. Claims 21-30 and 32 are allowed. These claims have been renumbered as claims 1-11.
2. Claims 1-20 have been cancelled.

Drawings

3. The drawings filed on April 2, 2004 are accepted by the Examiner.

EXAMINER'S AMENDMENT

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Cyrus Bharucha on February 1, 2007.

5. Claim 31 has been cancelled as follows:

31. (Cancelled)

REASONS FOR ALLOWANCE

6. The following is a statement of reasons for the indication of allowable subject matter:

Justly considered by the Examiner

The prior art, Valamuri et al. (Pat. No. 6,169,794) teaches "Recording transactions using a chronological list superimposed on an indexed list. A transaction log of transaction entries is maintained as a chronological list superimposed on an indexed list." (Abstract, lines 1-4).

Next, the prior art Hvasshovd (5,423,037) teaches "A database server with a "shared nothing" system architecture has multiple nodes, each having its own central processing unit, primary and secondary memory for storing database tables and other data structures, and communication channels for communication with other ones of the nodes. The nodes are divided into first and second groups that share no resources. Each database table in the system is divided into fragments distributed for storage purposes over all the nodes in the system. To ensure continued data availability after a node failure, a "primary replica" and a "standby replica" of each fragment are each stored on nodes in different ones of the first and second groups. Database transactions are performed using the primary fragment replicas, and the standby replicas are updated using transaction log records." (Abstract, lines 1-16).

Again, the prior art Thompson et al. (5,247,664) teaches "The transaction management system identifies one or more sites in the distributed database system that contain data needed for a global transaction and divides each transaction into subtransactions for processing at one or more identified sites." (Abstract, lines 6-10). Further, Thompson teaches "Distributed database systems (DDS) are generally of the form depicted in FIG. 1. Here a user, though an interactive device such as a terminal, accesses the DDS through a centralized

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database management system (CDMS). Typically, a user will access the CDMS in search of information in the various distributed databases D_i . Such access to the CDMS is generally referred to as a query or read transaction since the user is asking to read certain parts of the underlying databases D_i to locate information related to a user defined transaction." (Col. 2, lines 49-50).

Further, the prior art Courts et al. (5,636,360) teaches "A method for logging transactions which alters a file system stored on a secondary storage device is disclosed. The method includes the steps of writing data to a buffer in a buffer cache and logging the transaction in a log buffer residing on a primary storage device. A flag is set for the modified buffer, which is then added to a list of modified buffers. As the log buffer becomes substantially full, its contents are copied to a log partition residing on the secondary stage device. After an abnormal system shutdown, the contents of the log partition are copied to the buffer cache in order to restore the disk filing system." (Abstract, lines 1-11).

However, Valamuri, Hvasshovd, Thompson, nor Courts teach or suggest the following:

Claim 21 recites "copying the distinguished transaction from the workgroup user to the docking client in a manner that indicates that the distinguished transaction did not originate at the enterprise server" and "copying from the docking client to the enterprise server one or more transactions, the transactions copied from the docking client to the enterprise server excluding transactions indicated to originate at the enterprise server and including the distinguished transactions" and similarly recited in independent claims 25 and 28.

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The remaining claims 22-24, 26, 27, 29, 30, and 32, comprise dependent claims, thus these claims are patently distinct over the art of record for at least the above reasons.

CONCLUSION

7. The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure.

A. De Vries (U.S. Pat. No. 5,721,914) discloses a system and method for hierarchical data distribution;

B. Christie et al. (U.S. Pat. No. 5,757,669) discloses a method and apparatus for workgroup information replication;

D. Schwartz et al. (U.S. Pat. No. 5,913,032) discloses a system and methods for automatically distributing a particular shared data object through electronic mail; and

E. San Andres et al. (U.S. Pat. No. 5,956,489) discloses transaction replication system and method for supporting replicated transaction-based services.

NAME OF CONTACT

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cheryl Lewis whose telephone number is (571) 272-4113. The examiner can normally be reached on 6:30-3:00.

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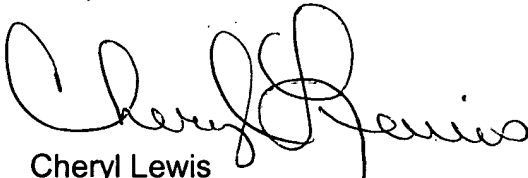
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cottingham can be reached on (571) 272-7079. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

(571) 273-4113 (Use this FAX #, only after approval by Examiner, for "INFORMAL" or "DRAFT" communication. Examiners may request that a formal paper/amendment be faxed directly to them on occasions.).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/ Technology Center (571) 272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Cheryl Lewis
Patent Examiner
January 30, 2007